SEQUENCE LISTING

<110> YEH, EDWARD T.H.

<120> USES FOR A NOVEL CELL-DEATH-PROTECTING PROTEIN

<130> UTSH:248US

<140> 09/484,964
<141> 2000-01-18

<150> 08/964,162
<151> 1997-11-04

<150> 60/030,302
<151> 1996-11-05

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<170> PatentIn Ver. 2.0

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<222> (88)..(390)
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act gag gac ttg ggg gat aag aag caa ggt gaa tat att aaa ctc aaa   162
Thr Glu Asp Leu Gly Asp Lys Lys Gln Gly Glu Tyr Ile Lys Leu Lys
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gtc att gga cag gat agc agt gag att cac ttc aaa gtg aaa atg aca   210
Val Ile Gly Gln Asp Ser Ser Glu Ile His Phe Lys Val Lys Met Thr
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aca cat ctc aag aaa ctc aaa gaa tca tac tgt caa aga cag ggt gtt   258
Thr His Leu Lys Lys Leu Lys Glu Ser Tyr Cys Gln Arg Gln Gly Val
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Pro Met Asn Ser Leu Arg Phe Leu Phe Glu Gly Gln Arg Ile Ala Asp
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Asn His Thr Pro Lys Glu Leu Gly Met Glu Glu Glu Asp Val Ile Glu
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Val Tyr Gln Glu Gln Thr Gly Gly His Ser Thr Val
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<212> PRT
<213> Homo sapiens

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Lys Gln Gly Glu Tyr Ile Lys Leu Lys Val Ile Gly Gln Asp Ser Ser
20 25 30
Glu Ile His Phe Lys Val Lys Met Thr Thr His Leu Lys Lys Leu Lys
35 40 45
Glu Ser Tyr Cys Gln Arg Gln Gly Val Pro Met Asn Ser Leu Arg Phe
50 55 60
Leu Phe Glu Gly Gln Arg Ile Ala Asp Asn His Thr Pro Lys Glu Leu
65 70 75 80
Gly Met Glu Glu Glu Asp Val Ile Glu Val Tyr Gln Glu Gln Thr Gly
85 90 95
Gly His Ser Thr Val
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<210> 3
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<213> Homo sapiens
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<223> N = A, C, G or T
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<213> Homo sapiens

<400> 4

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Lys Ile Lys Arg His Thr Pro Leu Ser Lys Leu Met Lys Ala Tyr Cys
         35                  40                  45
Glu Arg Gln Gly Leu Ser Met Arg Gln Ile Arg Phe Arg Phe Asp Gly
     50                  55                  60
Gln Pro Ile Asn Glu Thr Asp Thr Pro Ala Gln Leu Glu Met Glu Asp
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<223> N = A, C, G or T

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<212> PRT
<213> Homo sapiens

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20 25 30
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35 40 45
Arg Gln Gly Leu Ser Met Arg Gln Ile Arg Phe Arg Phe Asp Gly Gln
50 55 60
Pro Ile Asn Glu Thr Asp Thr Pro Ala Gln Leu Arg Met Glu Asp Glu
65 70 75 80
Asp Thr Ile Asp Val Phe Gln Gln Gln Thr Gly Gly Val Pro Glu Ser
85 90 95
Ser Leu Ala Gly His Ser Phe
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<210> 7
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<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
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<210> 8
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<212> DNA
<213> Homo sapiens

<400> 8
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<210> 9
<211> 30
<212> DNA
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<400> 9
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<210> 10
<211> 7
<212> PRT
<213> Artificial Sequence
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<400> 10
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<210> 11
<211> 9
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<213> Influenza virus

<400> 11
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1 5

<210> 12
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<213> Homo sapiens

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His Ser Thr Val
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<210> 13
<211> 101
<212> PRT
<213> Saccharomyces cerevisiae

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35 40 45
Met Glu Ala Phe Ala Lys Arg Gln Gly Lys Glu Met Asp Ser Leu Arg
50 55 60
Phe Leu Tyr Asp Gly Ile Arg Ile Gln Ala Asp Gln Thr Pro Glu Asp
65 70 75 80
Leu Asp Met Glu Asp Asn Asp Ile Ile Glu Ala His Arg Glu Gln Ile
85 90 95

Gly Gly Ala Thr Tyr
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<210> 14
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<212> PRT
<213> Homo sapiens

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20 25 30
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35 40 45
Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu
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Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly Gly Gly Leu Arg
65 70 75 80

<210> 15
<211> 76
<212> PRT
<213> Homo sapiens

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20 25 30
Lys Glu Gly Ile Pro Pro Gln Gln Gln Arg Leu Ile Tyr Ser Gly Lys
35 40 45
Gln Met Asn Asp Glu Lys Thr Ala Ala Asp Tyr Lys Ile Leu Gly Gly
50 55 60
Ser Val Leu His Leu Val Leu Ala Leu Arg Gly Gly
65 70 75

<210> 16
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<212> PRT
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<400> 16
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<221> CDS
<222> (136)..(438)

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gaagccaccg tcatc atg tct gac cag gag gca aaa cct tca act gag gac 171
Met Ser Asp Gln Glu Ala Lys Pro Ser Thr Glu Asp
1 5 10

ttg ggg gat aag aag caa ggt gaa tat att aaa ctc aaa gtc att gga 219
Leu Gly Asp Lys Lys Gln Gly Glu Tyr Ile Lys Leu Lys Val Ile Gly
15 20 25

cag gat agc agt gag att cac ttc aaa gtg aaa atg aca aca cat ctc 267
Gln Asp Ser Ser Glu Ile His Phe Lys Val Lys Met Thr Thr His Leu
30 35 40

aag aaa ctc aaa gaa tca tac tgt caa aga cag ggt gtt cca atg aat 315
Lys Lys Leu Lys Glu Ser Tyr Cys Gln Arg Gln Gly Val Pro Met Asn
45 50 55 60

tca ctc agg ttt ctc ttt gag ggt cag aga att gct gat aat cat act 363
Ser Leu Arg Phe Leu Phe Glu Gly Gln Arg Ile Ala Asp Asn His Thr
65 70 75

cca aaa gaa ctg gga atg gag gaa gaa gat gtg att gaa gtt tat cag 411
Pro Lys Glu Leu Gly Met Glu Glu Glu Asp Val Ile Glu Val Tyr Gln
80 85 90

gaa caa acg ggg ggt cat tca aca gtt tagatattct ttttatttt 458
Glu Gln Thr Gly Gly His Ser Thr Val
95 100

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<210> 18
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<212> PRT
<213> Homo sapiens

<400> 18

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			20					25				30			
Glu	Ile	His	Phe	Lys	Val	Lys	Met	Thr	Thr	His	Leu	Lys	Lys	Leu	Lys
		35					40					45			
Glu	Ser	Tyr	Cys	Gln	Arg	Gln	Gly	Val	Pro	Met	Asn	Ser	Leu	Arg	Phe
	50					55					60				
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65					70					75					80
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Gly	His	Ser	Thr	Val											
			100												